

FAM-DEALAHypYIPMDDDFQLRSF

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	FAM-DEALAHypYIPMDDDFQLRSF is a 5,6-carboxyfluorescein (FAM) labeled HIF-1 $\alpha$ peptide. It binds with high affinity to von Hippel-Lindau (VHL) protein (KD= 3 nM). Can be used to assess ligand binding to VHL in a direct fluorescence polarization (FP) displacement assay. Excitation/emission maxima ( $\lambda$ ) = 485/520 nm. This product is a longer peptide version of FAM-DEALA-Hyp-YIPD.
Targets(IC50)	Others

## Reference

Ahn et al (2009) HIF-1 $\alpha$  peptide derivatives with modifications at the hydroxyproline residue as activators of HIF-1 $\alpha$ . Bioorg.Med.Chem.Lett. 19 4403 PMID: 19515556

Buckley et al (2012) Targeting the von Hippel-Lindau E3 ubiquitin ligase using small molecules to disrupt the VHL/HIF-1 $\alpha$  interaction. J.Am.Chem.Soc. 134 4465 PMID: 22369643

Crews et al (2018) Identification and Characterization of Von Hippel-Lindau-Recruiting Proteolysis Targeting Chimeras (PROTACs) of TANK-Binding Kinase 1. J.Med.Chem. 61 583 PMID: 28692295

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